

## **AMENDMENTS TO CLAIMS**

The following listing of claims will replace all prior versions, and listings, of the claims in the application.

1. (Currently amended) A method, comprising:  
  
determining, by a grid establishment component, from a plurality of nodes, a set of grid nodes to include in a resource grid, wherein each grid node provides zero or more resources, and wherein each grid node has a grid facilitation agent operating thereon; and  
  
establishing, by the grid establishment component, the resource grid, wherein establishing comprises:  
  
configuring each grid node to enable that grid node to participate as part of the resource grid, wherein configuring a grid node to enable that grid node to participate as part of the resource grid comprises:  
  
deploying a grid participation module to the grid facilitation agent  
  
operating on the grid node, and  
  
instructing the grid facilitation agent to run the grid participation module  
  
on the grid node to enable the grid node to participate as part of the resource grid, and  
  
establishing one or more grid masters to manage access to the resources provided by the grid nodes, such that the resource grid formed by the grid nodes behaves as a single pool of resources accessible through the one or more grid masters.

2. (Cancelled).

3. (Currently amended) The method of claim ~~[[2]]~~ 1, wherein determining the set of grid nodes comprises:  
  
determining which of the plurality of nodes has a grid facilitation agent operating thereon; and  
  
selecting those nodes as the grid nodes.
4. (Currently amended) ~~[[The]]~~ A method, comprising: of claim 1,  
  
determining, by a grid establishment component, from a plurality of nodes, a set of grid  
  
nodes to include in a resource grid, wherein each grid node provides zero or more  
  
resources;  
  
establishing, by the grid establishment component, the resource grid, wherein  
  
establishing comprises:  
  
configuring each grid node to enable that grid node to participate as part of the  
  
resource grid, wherein configuring a grid node to enable that grid node to  
  
participate as part of the resource grid comprises:  
  
causing the grid node to execute a grid facilitation agent thereon;  
  
deploying a grid participation module to the grid facilitation agent  
  
executing on the grid node; and  
  
instructing the grid facilitation agent to run the grid participation module  
  
on the grid node to enable the grid node to participate as part of the  
  
resource grid, and  
  
establishing one or more grid masters to manage access to the resources provided  
  
by the grid nodes, such that the resource grid formed by the grid nodes

behaves as a single pool of resources accessible through the one or more  
grid masters.

5. (Original) The method of claim 4, wherein causing the grid node to execute the grid facilitation agent comprises:  
  
causing the grid node to reboot using an operating system image obtained from a  
  
component separate from the grid node, wherein the operating system image  
  
comprises the grid facilitation agent.
6. (Original) The method of claim 4, wherein causing the grid node to execute the grid facilitation agent comprises:  
  
instructing the grid node, via a privileged port of the grid node, to reboot using an  
  
operating system image obtained from a component separate from the grid node,  
  
wherein the operating system image comprises the grid facilitation agent.
7. (Original) The method of claim 6, wherein determining the set of grid nodes comprises:  
  
determining to which of the plurality of nodes the grid establishment component has  
  
access to a privileged port; and  
  
selecting those nodes as the grid nodes.
8. (Currently amended) The method of claim ~~[[1]]~~ 4, wherein ~~configuring a grid node to enable that grid node to participate as part of the resource grid~~ causing the grid node to execute a grid facilitation agent thereon comprises:  
  
deploying a grid facilitation agent to an operating system running on the grid node; and

instructing the operating system to run the grid facilitation agent on the grid node;  
~~deploying a grid participation module to the grid facilitation agent running on the grid~~  
~~node; and~~  
~~instructing the grid facilitation agent to run the grid participation module on the grid node~~  
~~to enable the grid node to participate as part of the resource grid.~~

9. (Original) The method of claim 8, wherein each of the plurality of node has an operating system running thereon, and wherein determining the set of grid nodes comprises:  
determining, for each of the plurality of nodes, whether the grid establishment component  
has sufficient privileged access to the operating system running on that node to  
deploy the grid facilitation agent to that operating system; and  
in response to a determination that the grid establishment component has sufficient  
privileged access to that operating system, selecting that node as one of the grid  
nodes.
10. (Original) The method of claim 1, wherein determining comprises:  
receiving a set of information from an administrator that specifies the set of grid nodes.
11. (Original) The method of claim 1, wherein establishing the resource grid is implemented  
by the grid establishment component without user intervention.
12. (Original) The method of claim 1, wherein establishing one or more grid masters  
comprises:  
establishing the grid establishment component as a grid master.

13. (Original) The method of claim 1, wherein establishing one or more grid masters comprises:  
establishing at least one of the grid nodes as a grid master.
14. (Currently amended) An apparatus communicatively coupled to a plurality of nodes, the apparatus comprising:  
a mechanism for determining, from the plurality of nodes, a set of grid nodes to include in a resource grid, wherein each grid node provides zero or more resources, and wherein each grid node has a grid facilitation agent operating thereon; and  
a mechanism for establishing the resource grid, wherein the mechanism for establishing the resource grid comprises:  
a mechanism for configuring each grid node to enable that grid node to participate as part of the resource grid, wherein the mechanism for configuring each grid node comprises:  
a mechanism for deploying a grid participation module to the grid facilitation agent operating on the grid node, and  
a mechanism for instructing the grid facilitation agent to run the grid participation module on the grid node to enable to grid node to participate as part of the resource grid; and  
a mechanism for establishing one or more grid masters to manage access to the resources provided by the grid nodes, such that the resource grid formed by the grid nodes behaves as a single pool of resources accessible through the one or more grid masters.

15. (Cancelled).

16. (Currently amended) The apparatus of claim ~~[[15]]~~ 14, wherein the mechanism for determining the set of grid nodes comprises:

a mechanism for determining which of the plurality of nodes has a grid facilitation agent operating thereon; and

a mechanism for selecting those nodes as the grid nodes.

17. (Currently amended) ~~[[The]]~~ An apparatus, comprising: of claim 14,

a mechanism for determining, from a plurality of nodes, a set of grid nodes to include in a

resource grid, wherein each grid node provides zero or more resources;

a mechanism for establishing the resource grid, wherein the mechanism for establishing the resource grid comprises:

a mechanism for configuring each grid node to enable that grid node to participate

as part of the resource grid, wherein the mechanism for configuring a grid node to enable that grid node to participate as part of the resource grid comprises:

a mechanism for causing the grid node to execute a grid facilitation agent thereon;

a mechanism for deploying a grid participation module to the grid facilitation agent executing on the grid node; and

a mechanism for instructing the grid facilitation agent to run the grid participation module on the grid node to enable the grid node to participate as part of the resource grid, and

a mechanism for establishing one or more grid masters to manage access to the resources provided by the grid nodes, such that the resource grid formed by the grid nodes behaves as a single pool of resources accessible through the one or more grid masters.

18. (Original) The apparatus of claim 17, wherein the mechanism for causing the grid node to execute the grid facilitation agent comprises:

a mechanism for causing the grid node to reboot using an operating system image obtained from a component separate from the grid node, wherein the operating system image comprises the grid facilitation agent.

19. (Original) The apparatus of claim 17, wherein the mechanism for causing the grid node to execute the grid facilitation agent comprises:

a mechanism for instructing the grid node, via a privileged port of the grid node, to reboot using an operating system image obtained from a component separate from the grid node, wherein the operating system image comprises the grid facilitation agent.

20. (Original) The apparatus of claim 19, wherein the mechanism for determining the set of grid nodes comprises:

a mechanism for determining to which of the plurality of nodes the grid establishment component has access to a privileged port; and  
a mechanism for selecting those nodes as the grid nodes.

21. (Currently amended) The apparatus of claim ~~[[14]]~~ 17, wherein the mechanism for ~~configuring a grid node to enable that grid node to participate as part of the resource grid~~ causing the grid node to execute a grid facilitation agent thereon comprises:

a mechanism for deploying a grid facilitation agent to an operating system running on the grid node; and

a mechanism for instructing the operating system to run the grid facilitation agent on the grid node;

~~a mechanism for deploying a grid participation module to the grid facilitation agent running on the grid node; and~~

~~a mechanism for instructing the grid facilitation agent to run the grid participation module on the grid node to enable the grid node to participate as part of the resource grid.~~

22. (Original) The apparatus of claim 21, wherein each of the plurality of node has an operating system running thereon, and wherein the mechanism for determining the set of grid nodes comprises:

a mechanism for determining, for each of the plurality of nodes, whether the grid establishment component has sufficient privileged access to the operating system running on that node to deploy the grid facilitation agent to that operating system;  
and



a mechanism for selecting, in response to a determination that the grid establishment component has sufficient privileged access to that operating system, that node as one of the grid nodes.

23. (Original) The apparatus of claim 14, wherein the mechanism for determining comprises:  
a mechanism for receiving a set of information from an administrator that specifies the set of grid nodes.
24. (Original) The apparatus of claim 14, wherein the apparatus establishes the resource grid without user intervention.
25. (Original) The apparatus of claim 14, wherein the mechanism for establishing one or more grid masters comprises:  
a mechanism for establishing a grid establishment component as a grid master.
26. (Original) The apparatus of claim 14, wherein the mechanism for establishing one or more grid masters comprises:  
a mechanism for establishing at least one of the grid nodes as a grid master.
27. (Currently amended) In a system comprising a plurality of nodes, a computer readable medium, comprising:  
instructions for causing one or more processors to determine, from the plurality of nodes, a set of grid nodes to include in a resource grid, wherein each grid node provides

zero or more resources, and wherein each grid node has a grid facilitation agent operating thereon; and

instructions for causing one or more processors to establish the resource grid, wherein the

instructions for causing one or more processors to establish comprises:

instructions for causing one or more processors to configure each grid node to

enable that grid node to participate as part of the resource grid, wherein

the instructions for causing one or more processors to configure each grid

node to enable that grid node to participate as part of the resource grid

comprises:

deploying a grid participation module to the grid facilitation agent

operating on the grid node, and

instructing the grid facilitation agent to run the grid participation module

on the grid node to enable the grid node to participate as part of the

resource grid; and

instructions for causing one or more processors to establish one or more grid

masters to manage access to the resources provided by the grid nodes,

such that the resource grid formed by the grid nodes behaves as a single

pool of resources accessible through the one or more grid masters.

28. (Cancelled).

29. (Currently amended) The computer readable medium of claim [[28]] 27, wherein the instructions for causing one or more processors to determine the set of grid nodes comprises:

instructions for causing one or more processors to determine which of the plurality of nodes has a grid facilitation agent operating thereon; and  
instructions for causing one or more processors to select those nodes as the grid nodes.

30. (Currently amended) [[The]] In a system comprising a plurality of nodes, a computer readable medium, comprising:

~~of claim 27,~~

instructions for causing one or more processors to determine, from the plurality of nodes, a set of grid nodes to include in a resource grid, wherein each grid node provides zero or more resources;

instructions for causing one or more processors to establish the resource grid, wherein the

instructions for causing one or more processors to establish comprises:

instructions for causing one or more processors to configure each grid node to

enable that grid node to participate as part of the resource grid, wherein

the instructions for causing one or more processors to configure a grid node to enable that grid node to participate as part of the resource grid comprises:

instructions for causing one or more processors to cause the grid node to execute a grid facilitation agent thereon;

instructions for causing one or more processors to deploy a grid

participation module to the grid facilitation agent executing on the grid node; and

instructions for causing one or more processors to instruct the grid

facilitation agent to run the grid participation module on the grid

node to enable the grid node to participate as part of the resource  
grid, and

instructions for causing one or more processors to establish one or more grid  
masters to manage access to the resources provided by the grid nodes,  
such that the resource grid formed by the grid nodes behaves as a single  
pool of resources accessible through the one or more grid masters.

31. (Original) The computer readable medium of claim 30, wherein the instructions for causing one or more processors to cause the grid node to execute the grid facilitation agent comprises:  
  
instructions for causing one or more processors to cause the grid node to reboot using an operating system image obtained from a component separate from the grid node, wherein the operating system image comprises the grid facilitation agent.
32. (Original) The computer readable medium of claim 30, wherein the instructions for causing one or more processors to cause the grid node to execute the grid facilitation agent comprises:  
  
instructions for causing one or more processors to instruct the grid node, via a privileged port of the grid node, to reboot using an operating system image obtained from a component separate from the grid node, wherein the operating system image comprises the grid facilitation agent.
33. (Original) The computer readable medium of claim 32, wherein the instructions for causing one or more processors to determine the set of grid nodes comprises:

instructions for causing one or more processors to determine to which of the plurality of nodes the grid establishment component has access to a privileged port; and  
instructions for causing one or more processors to select those nodes as the grid nodes.

34. (Currently amended) The computer readable medium of claim ~~[[27]]~~ 30, wherein the instructions for causing one or more processors to ~~configure a grid node to enable that grid node to participate as part of the resource grid~~ execute a grid facilitation agent thereon comprises:

instructions for causing one or more processors to deploy a grid facilitation agent to an operating system running on the grid node; and  
instructions for causing one or more processors to instruct the operating system to run the grid facilitation agent on the grid node~~[[;]]~~  
~~instructions for causing one or more processors to deploy a grid participation module to the grid facilitation agent running on the grid node; and~~  
~~instructions for causing one or more processors to instruct the grid facilitation agent to run the grid participation module on the grid node to enable the grid node to participate as part of the resource grid.~~

35. (Original) The computer readable medium of claim 34, wherein each of the plurality of node has an operating system running thereon, and wherein the instructions for causing one or more processors to determine the set of grid nodes comprises:  
instructions for causing one or more processors to determine, for each of the plurality of nodes, whether the grid establishment component has sufficient privileged access

to the operating system running on that node to deploy the grid facilitation agent  
to that operating system; and

instructions for causing one or more processors to select, in response to a determination  
that the grid establishment component has sufficient privileged access to that  
operating system, that node as one of the grid nodes.

36. (Original) The computer readable medium of claim 27, wherein the instructions for  
causing one or more processors to determine comprises:  
instructions for causing one or more processors to receive a set of information from an  
administrator that specifies the set of grid nodes.

37. (Original) The computer readable medium of claim 27, wherein the instructions for  
causing one or more processors to establish the resource grid causes the one or more  
processors to establish the resource grid without user intervention.

38. (Original) The computer readable medium of claim 27, wherein the instructions for  
causing one or more processors to establish one or more grid masters comprises:  
instructions for causing one or more processors to establish a grid establishment  
component as a grid master.

39. (Original) The computer readable medium of claim 27, wherein the instructions for  
causing one or more processors to establish one or more grid masters comprises:  
instructions for causing one or more processors to establish at least one of the grid nodes  
as a grid master.